

AMENDMENT
Inventor: John M. Tremaine, Sr.

PATENT
396-103

LISTING OF CLAIMS

1. (cancelled)
2. (cancelled)
3. (cancelled)
4. (cancelled)
5. (cancelled)
6. (cancelled)
7. (cancelled)
8. (cancelled)
9. (cancelled)
10. (cancelled)
11. (cancelled)
12. (cancelled)
13. (cancelled)

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14. (cancelled)

15. (cancelled)

16. (new) A transformer system for use with either a dimmer switch or an on/off switch, comprising:

(a) a transformer;

(b) said transformer being arranged such that an output voltage of said transformer across a load, when a dimmer switch is connected to said transformer, is approximately equal to that when an on/off switch is connected to said transformer, to offset a diminution in voltage because of said dimmer switch being connected to said transformer;

(c) said transformer having a neutral connected to a primary thereof;

(d) a first tap connected to said primary;

(e) a second tap connected to said primary intermediate said neutral and said first tap;

(f) when said dimmer switch is connected to said primary, it is connected between a line and said second tap; and

(g) when said on/off switch is connected to said primary, it is connected between said line and said first tap.

17. (new) A transformer system for use with either a dimmer switch or an on/off switch, as defined in Claim 16, wherein: said transformer is a toroidal transformer.

18. (new) A transformer system for use with either a dimmer switch or an on/off switch, as defined in Claim 16, wherein: said transformer is a laminated transformer.

19. (new) A transformer system for use with either a dimmer switch or an on/off switch, as defined in Claim 16, wherein: said transformer is an electronic transformer.

20. (new) A transformer system for use with either a dimmer switch or an on/off switch, comprising:

(a) a transformer;

(b) said transformer being arranged such that an output voltage of said transformer across a load, when a dimmer switch is connected to said transformer, is approximately equal to that when an on/off switch is connected to said transformer, to offset a diminution in voltage because of said dimmer switch being connected to said transformer;

(c) said transformer having a primary with a neutral connected to said primary and with a line connected to said primary; and

(d) said transformer having a secondary with a common connected to said load and a third tap connected to said secondary;

(e) a fourth tap connected to said secondary intermediate said common and said third tap;

(f) when said dimmer switch is connected between said line and said primary, said third tap is connected to said load; and

(g) when said on/off switch is connected between said line and said primary, said fourth tap is connected to said load.

21. (new) A transformer system for use with either a dimmer switch or an on/off switch, as defined in Claim 20, wherein: said transformer is a toroidal transformer.

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22. (new) A transformer system for use with either a dimmer switch or an on/off switch, as defined in Claim 16, wherein: said transformer is a laminated transformer.

23. (new) A transformer system for use with either a dimmer switch or an on/off switch, as defined in Claim 16, wherein: said transformer is an electronic transformer.

24. (new) A method of using a transformer system for use with either a dimmer switch or an on/off switch, comprising:

(a) providing a transformer;

(b) arranging said transformer such that an output voltage of said transformer across a load, when a dimmer switch is connected to said transformer, is approximately equal to that when an on/off switch is connected to said transformer, to offset a diminution in voltage because of said dimmer switch being connected to said transformer;

(c) providing said transformer having a neutral connected to a primary thereof;

(d) providing a first tap connected to said primary;

(e) providing a second tap connected to said primary intermediate said neutral and said first tap;

(f) when said dimmer switch is connected to said primary, it is connected between a line and said second tap; and

(g) when said on/off switch is connected to said primary, it is connected between said line and said first tap.

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25. (new) A method of using a transformer system for use with either a dimmer switch or an on/off switch, comprising:

(a) providing a transformer;

(b) arranging said transformer such that an output voltage of said transformer across a load, when a dimmer switch is connected to said transformer, is approximately equal to that when an on/off switch is connected to said transformer, to offset a diminution in voltage because of said dimmer switch being connected to said transformer;

(c) providing said transformer having a primary with a neutral connected to said primary and with a line connected to said primary; and

(d) providing said transformer having a secondary with a common connected to said load and a third tap connected to said secondary;

(e) providing a fourth tap connected to said secondary intermediate said common and said third tap;

(f) when said dimmer switch is connected between said line and said primary, said third tap is connected to said load; and

(g) when said on/off switch is connected between said line and said primary, said fourth tap is connected to said load.